

ABHAY VENKATESH

abhay.venkatesh@gmail.com · (608) 504 0464
linkedin.com/in/abhayvenkatesh · abhayvenkatesh.com
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EXPERIENCE

Anduril Industries Software Engineer

Irvine, CA
May 2019 —

- L5 IC in 2 years (typically takes 3-5 years), scope included Architecture Lead and Product Lead for various initiatives within and without Platform Infrastructure
- Founding engineering on various key initiatives including fundamental infrastructure as well as business initiatives
- Built a mission autonomy system in Go and C++ that was a first-of-its-kind in the world to actually fly on real drones
- Broad technical scope: Data Systems, APIs, Cloud Infrastructure, C++ Infrastructure, Machine Learning, Computer Vision, Simulation, Autonomy, Operating Systems

University of Wisconsin-Madison Research Assistant

Madison, WI
September 2016 — May 2019

- Machine Learning research under **Dr. Vikas Singh**
 - *Learning with Data-Dependent Regularizers* (Microsoft COCO Leaderboard #5 Globally, AAAI 2019, DeepMath 2019)
 - *Semi-Supervised Learning with Hermite Polynomials* (CVPR 2020, MMLS 2019 with Best Student Paper)
 - *Learning View-Invariant Semantic Segmentation* (SDM 2018, CMMRS 2018, Hilldale 2018)
- Built a human-robot collaborative task-authoring environment using Angular/JavaScript for HRI research under **Dr. Bilge Mutlu** in collaboration with **MIT CSAIL**
- Big Data Systems research under **Dr. Shivaram Venkataraman** focusing on *The Case for Unifying Data Loading in Machine Learning Clusters* (HotCloud 2019)

Facebook, Inc. Software Engineer Intern

Menlo Park, CA
May 2018 — August 2018

- Data Science and Analytics with SQL for the *Broad Trust* i18n launch to 7 countries
- Launched a large-scale ranking experiment based on an unsupervised learning model on 1% of Facebook's user base
- Built an article-to-context mapping system with 99% precision and 99% recall

Stanford University Research Intern

Stanford, CA
June 2017 — September 2017

- Fullstack features for *Daemo*, a crowdsourcing platform, using Angular/JavaScript/Python/Django under **Dr. Michael Bernstein** at the **Stanford CS Department**
- Built a multi-robot *ChairBot* control system using Node/JavaScript/C++/Swift for **Dr. Wendy Ju** at the **Stanford Engineering Department**

EDUCATION

Stanford University
Summer Session, Design and Analysis of Algorithms
University of Wisconsin-Madison
B.S. Mathematics, Computer Sciences (Honors)

Stanford, CA
4.0
Madison, WI
Distinction

HIGHLIGHTS

Graduate Record Examinations, 336/340, 6/6	2021
Contrary Talent Fellow, ~100 selected from pool of 2000+ top early-career tech talent	2020
National Problem-Solving Assessment, 99.5th percentile out of a million participants	2014
National 3rd Place in Top Tech Quiz, Prestigious national award out of 15,000 participants	2014
Head of State Recognition, For founding a successful not-for-profit	2014

LEADERSHIP

President, Co-Founder *AI Club, UW-Madison*

2017 — 2018